

FIG. 1

FIG. 1

1	ATGCAGCGGC	TCGGGGGTAT	TTTGCTGTGT	ACACTGCTGG	CGGCGGCGGT
51	CCCCACTGCT	CCTGCTCCTT	CCCCGACGGT	CACTTGGACT	CCGGCGGAGC
101	CGGGCCCAGC	TCTCAACTAC	CCTCAGGAGG	AAGCTACGCT	CAATGAGATG
151	TTTCGAGAGG	TGGAGGAGCT	GATGGAAGAC	ACTCAGCACA	AACTGCGCAG
201	TGCCGTGGAG	GAGATGGAGG	CGGAAGAAGC	AGTGCTAAA	ACGTCCCTCTG
251	AGGTGAACCT	GGCAAGCTTA	CCTCCCAACT	ATCACAAATGA	GACCAGCACG
301	GAGACCAGGG	TGGGAAATAA	CACAGTCCAT	GTGCACCAGG	AAGTTCACAA
351	GATAACCAAC	AACCAGAGTG	GACAGGTGGT	CTTTTCTGAG	ACAGTCATTA
401	CATCTGTAGG	GGATGAAGAA	GGCAAGAGGA	GCCATGAATG	TATCATTTGAT
451	GAAGACTGTG	GGCCCACCAG	GTACTGCCAG	TTCCTCCAGCT	TCAAGTACAC
501	CTGCCAGCCA	TGCCGGGACC	AGCAGATGCT	ATGCACCCGA	GACAGTGAGT
551	GCTGTGGAGA	CCAGCTGTGT	GCCTGGGGTC	ACTGCACCCA	AAAGGCCACC
601	AAAGGTGGCA	ATGGGACCAT	CTGTGACAAAC	CAGAGGGATT	GCCAGCCTGG
651	CCTGTGTTGT	GCCTTCCAAA	GAGGCCCTGCT	GTTCCCCCGTG	TGCACACCCC
701	TGCCCCGTGA	GGGAGAGCTC	TGCCATGACC	CCACCAGCCA	GCTGCTGGAT
751	CTCATCACCT	GGGAACCTGA	GCCTGAAGGA	GCTTTGGACC	GATGCCCCCTG
801	CGCCAGTGGC	CTCCTATGCC	AGCCACACAG	CCACAGTCTG	GTGTACATGT
851	GCAAGCCAGC	CTTCGTGGGC	AGCCATGACC	ACAGTGAGGA	GAGCCAGCTG
901	CCCAGGGAGG	CCCCGGATGA	GTACGAAGAT	GTTCGCTTCA	TAGGGGAAGT
951	GCGCCAGGAG	CTGGAAGACC	TGGAGCGGAG	CCTAGCCCCAG	GAGATGGCAT
1001	TTGAGGGGCC	TGCCCCCTGTG	GAGTCACTAG	CGGGAGAGGA	GGAGATTTAG

FIG. 2

```
1  ATGCAGCGGC TTGGGGCCAC CCTGCTGTGC CTGCTGCTGG CGGCGGCGGT
51  CCCACAGGCC CCGCGGCCCG CTCGACGGC GACCTCGGCT CCAGTCAAGC
101 CCGGCCCGGC TCTCAGCTAC CCGCAGGAG AGGCCACCCT CAATGAGATG
151 TTCCGCGGAGG TTGAGGAACT GATGGAGGAC ACGCAGCACA AATTGCGCAG
201 CGCGGTGGAA GAGATGGAGG CAGAAGAAGC TGCTGCTAAA GCATCATCAG
251 AAGTGAACCT GGCAAACTTA CCTCCCAGCT ATCACAATGA GACCAACACA
301 GACACGAAGG TTGGAATAA TACCATCCAT GTGCACCGAG AAATTCAAA
351 GATAACCAAC AACCAGACTG GACAAATGGT CTTTTCAGAG ACAGTTATCA
401 CATCTGTGG AGACGAAGAA GGCAGAAGGA GCCACGAGTG CATCATCGAC
451 GAGGACTGTG GGCCAGCAT GTACTGCCAG TTTGCCAGCT TCCAGTACAC
501 CTGCCAGCCA TGCCGGGGCC AGAGGATGCT CTGCACCCGG GACAGTGAGT
551 GCTGTGGAGA CCAGCTGTGT GTCTGGGTC ACTGCACCAA AATGGCCACC
601 AGGGGCAGCA ATGGGACCAT CTGTGACAAC CAGAGGACT GCCAGCCGGG
651 GCTGTGCTGT GCCTTCCAGA GAGGCCCTGT GTTCCCTGTG TGCACACCCC
701 TGCCCCGTGGA GGGCGAGCTT TGCCATGACC CCGCCAGCCG GCTTCTGGAC
751 CTCATCACCT GGGAGCTAGA GCCTGATGGA GCCTTGGACC GATGCCCTTG
801 TGCCAGTGGC CTCCTCTGCC AGCCCCACAG CCACAGCCTG GTGTATGTGT
851 GCAAGCCGAC CTTCGTGGG AGCCGTGACC AAGATGGGA GATCCTGCTG
901 CCCAGAGAGG TCCCCGATGA GTATGAAGTT GGCAGCTTCA TGGAGGAGGT
951 GCGCCAGGAG CTGGAGGACC TGGAGAGGAG CCTGACTGAA GAGATGGCGC
1001 TGGGGGAGCC TCGGCTGCC GCCGCTGCAC TGCTGGGAGG GGAAGAGATT
1051 TAG
```

FIG. 3

1 ATGATGGCTC TGGGCGCAGC GGGAGCTACC CGGGTCTTTG TCGCGATGGT
51 AGCGGCGGCT CTCGGCGGCC ACCCTCTGCT GGGAGTGAGC GCCACCTTGA
101 ACTCGGTTCT CAATTCCAAC GCTATCAAGA ACCTGCCCCC ACCGCTGGC
151 GCGCTGCGG GGCACCCAGG CTCTGCAGTC AGCGCCGCGC CGGGAATCCT
201 GTACCCGGG GGAATAAGT ACCAGACCAT TGACAACCTAC CAGCCGTACC
251 CGTGCGCAGA GGACGAGGAG TCGGGCACTG ATGAGTACTG CGCTAGTCCC
301 ACCCGCGGAG GGGACGCGGG CGTGCAAATC TGTCTCGCCT GCAGGAAGCG
351 CCGAAACGC TGCATGCGTC ACGCTATGTG CTGCCCCGGG AATTACTGCA
401 AAAATGGAAT ATGTGTGTCT TCTGATCAA ATCATTTCCG AGGAGAAATT
451 GAGGAAACCA TCACTGAAAG CTTTGGTAAT GATCATAGCA CCTTGGATGG
501 GTATTCCAGA AGAACCACTT TGTCTTCAA AATGTATCAC ACCAAAGGAC
551 AAGAAGGTTT TGTGTGTCTC CGGTCATCAG ACTGTGCCCTC AGGATTGTGT
601 TGTGCTAGAC ACTTCTGGTC CAAGATCTGT AAACCTGTCC TGAAGAAGG
651 TCAAGTGTGT ACCAAGCATA GGAGAAAAGG CTCTCATGGA CTAGAAAATAT
701 TCCAGCGTTG TTAAGTGTGA GAAGGTCTGT CTTGCCGGAT ACAGAAAAGAT
751 CACCATCAAG CCAGTAATTC TTCTAGGCTT CACACTTGTC AGAGACACTA
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FIG. 4

```
1  ATGCGCGCGC TGATGCGGGT CAAGATTCA TCCCGCTGCC TTCTCCTACT
51  GGCCGCGGTG CTGATGGTGG AGAGCTCACA GCTAGGCAGC TCGCGGGCCA
101 AACTCAACTC CATCAAGTCC TCTCTAGGAG GGGAGACTCC TGCTCAGTCA
151 GCCAACCAGT CTGCAGGCAT GAACCAAGGA CTGGCTTTCC GCGGCAGTAA
201 GAAGGGCAAA AGCCTGGGGC AGGCCTACCC TTGCAGCAGT GATAAGGAAT
251 GTGAAGTTGG AAGATACTGC CACAGTCCCC ACCAAGGATC ATCAGCCTGC
301 ATGCTCTGTA GGAGGAAAAA GAAACGATGC CACAGAGATG GGATGTGTG
351 CCCTGGTACC CGCTGCAATA ATGGAATCTG CATCCAGTC ACTGAGAGCA
401 TCCTCACCCC ACATATCCCA GCTCTGGATG GCACCCGGCA TAGAGATCGC
451 AACCATGGTC ACTATTCCAA CCATGACCTG GGATGGCAGA ATCTAGGAAG
501 GCCACACTCC AAGATGCCCTC ATATAAAAGG ACATGAAGGA GACCCATGCC
551 TACGGTCATC AACTGCCATT GATGGGTTTT GTTGTGCTCG CCACCTCTGG
601 ACCAAAATCT GCAAACCAGT GCTCCATCAG GGGGAAGTCT GTACCAAACA
651 ACGCAAGAAG GGTTCGCACG GGCTGGAGAT TTTCACAGAG TGTGACTGTG
701 CAAAGGCCT GTCCCTGCAAA GTGTGAAAG ATGCCACCTA CTCTTCCAAA
751 GCCAGACTCC ATGTATGCCA GAAGATCTGA
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“Docket” 9/25/00

FIG. 5

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1  ATGGCCGCGT  TGATGCGGAG  CAAGGATTGG  TCCTGCTGCC  TGCTCCTACT
51  GGCCGCGGTG  CTGATGGTGG  AGAGCTCACA  GATCGGCAGT  TCGCGGGCCA
101  AACTCAACTC  CATCAAGTCC  TCTCTGGCG  GGGAGACGCC  TGGTCAGGCC
151  GCCAATCGAT  CTGCGGGCAT  GTACCAAGGA  CTGGCATTGG  GCGGCAGTAA
201  GAAGGGCAAA  AACCTGGGGC  AGGCCTACCC  TTGTAGCAGT  GATAAGGAGT
251  GTGAAGTTGG  GAGGTATTGC  CACAGTCCCC  ACCAAGGATC  ATCGGCCTGC
301  ATGGTGTGTC  GGAGAAAAAA  GAAAGCGCTG  CACCGAGATG  GCATGTGCTG
351  CCCAGTACC  CGCTGCAATA  ATGGCATCTG  TATCCCAGTT  ACTGAAAGCA
401  TCTTAACCC  TCACATCCCG  GCTCTGGATG  GTACTCGGCA  CAGAGATCGA
451  AACCACGGTC  ATTACTCAA  CCATGACTTG  GGATGGCAGA  ATCTAGGAAG
501  ACCACACACT  AAGATGTCAC  ATATAAAAGG  GCATGAAGGA  GACCCCTGCC
551  TACGATCATC  AGACTGCATT  GAAGGGTTTT  GCTGTGCTCG  TCATTTCCTG
601  ACCAAAATCT  GCAAACCACT  GCTCCATCAG  GGGGAAGTCT  GTACCAAACA
651  ACGCAAGAAG  GGTTCCTCAT  GGCTGGAAAT  TTTCCAGCGT  TCGGACTGTG
701  CGAAGGGCCT  GTCCTGCAAA  GTATGGAAAG  ATGCCACCTA  CTCTCCAAA
751  GCCAGACTCC  ATGTGTGTCA  GAAAATTGGA
```

FIG. 6

```
1  ATGGCCGCGT  TGATGCGGAG  CAAGGATTCTG  TCCTGCTGCC  TGCTCCTACT
51  GGCCGCGGGT  CTGATGGTGG  AGAGCTCACA  GATCGGCAGT  TCGCGGGCCA
101 AACTCAACTC  CATCAAGTCC  TCTCTGGGCG  GGGAGACGCC  TGGTCAGGCC
151 GCCAATCGAT  CTGCGGGCAT  GTACCAAGGA  CTGGCATTCTG  GCGGCAGTAA
201 GAAGGGCAA  AACCTGGGCG  AGGCCTACCC  TTGTAGCAGT  GATAAGGAGT
251 GTGAAGTTGG  GAGGTATTGC  CACAGTCCCC  ACCAAGGATC  ATCGGCCCTGC
301 ATGGTGTGTC  GGAGAAAAAA  GAAGCGCTGC  CACCGAGATG  GCATGTGCTG
351 CCCCAGTACC  CGCTGCAATA  ATGGGCATGA  AGGAGACCCC  TGCCCTACGAT
401 CATCAGACTG  CATTGAAGGG  TTTTGCTGTG  CTCGTCAATT  CTGGACCAA
451 ATCTGCAAAC  CAGTGCTCCA  TCAGGGGAA  GTCTGTACCA  AACAAACGAA
501 GAAGGGTTCT  CATGGGCTGG  AAATTTTCCA  GCGTTGCGAC  TGTGCGAAGG
551 GCCTGTCTTG  CAAAGTATGG  AAAGATGCCA  CCTACTCCTC  CAAAGCCAGA
601 CTCCATGTGT  GTCAGAAAAT  TTGA
```

FIG. 7

FIG. 7

1 ATGGTGGCGG CCGTCCTGCT GGGGCTGAGC TGGCTCTGCT CTCCCCTGGG
51 AGCTCTGGTC CTGGACTTCA ACAACATCAG GAGCTCTGCT GACCTGCATG
101 GGGCCCGGAA GGGCTCACAG TGCCTGTCTG ACACGGACTG CAATACCAGA
151 AAGTCTGCC TCCAGCCCCG CGATGAGAAG CCGTTCTGTG CTACATGTCG
201 TGGGTTGCGG AGGAGGTGCC AGCGAGATGC CATGTGCTGC CCTGGGACAC
251 TCTGTGTGAA CGATGTTTGT ACTACGATGG AAGATGCAAC CCCAATATTA
301 GAAAGGCAGC TTGATGAGCA AGATGGCACA CATGCAGAAG GAACAACCTGG
351 GCACCCAGTC CAGGAAAACC AACCCAAAAG GAAGCCAAGT ATTAAGAAAT
401 CACAAGGCAG GAAGGGACAA GAGGGAGAAA GTTGTCTGAG AACTTTGTAC
451 TGTGGCCCTG GACTTTGCTG TGCTCGTCAT TTTTGGACGA AAATTGTAA
501 GCCAGTCCTT TTGGAGGGAC AGGTCTGCTC CAGAAGAGGG CATAAAGACA
551 CTGCTCAAGC TCCAGAAATC TTCCAGCGTT GCGACTGTGG CCTGGACTA
601 CTGTGTCGAA GCCAATTGAC CAGCAATCGG CAGCATGCTC GATTAGAGT
651 ATGCCAAAAA ATAGAAAAGC TATAA

FIG. 8

1 MQRLLGILLC TLLAAAVPTA PAPSPTVTWT PAEPGPALNY PQEEATLNEM
51 FREVEEIMED TQHKLRSAVE EMEAEAAAK TSSEVNLA SL PPNYHNETST
101 ETRVGNNTVH VHQEVHKITN NQSGQVVFSE TVITSVGDEE GKRSHECIIID
151 EDCGPTRYCQ FSSFKYTCQP CRDQQMLCTR DSECCGDQLC AWGHCTQKAT
201 KGGNGTICDN QRDQCPGLCC AFQRGLLFPV CTPLPVEGEL CHDPTSQLLD
251 LITWELEPEG ALDRPCASG LLCQPHSHSL VYMCKPAFVG SHDHSEESQL
301 PREAPDEYED VGFIGEVVRQE LEDLERSLAQ EMAFEGPAPV ESLGEEEEI*

FIG. 9

FIG. 9

1	MQRLGATLLC	LLLAAPVPTA	PAPAPTATSA	PVKPGPALS	PQEEATLNEM
51	FREVEELMED	TQHKLRSAVE	EMEAEAAAK	ASSEVNLANI	PPSYHNETNT
101	DTKVGNNTH	VHREIHKITN	NQTGQMFSE	TVITSVGDEE	GRRSHECIID
151	EDCGPSMYCQ	FAFQYTCQP	CRGQRMCTR	DSECCGDQLC	VWGHCTKMAT
201	RGSTGTICDN	QRDCQPGGCC	AFQGLLFPV	CTPLPVEGEL	CHDPASRLLD
251	LITWELEPDG	ALDRCPGASG	LLCQPHSHSL	VYVCKPTFVG	SRDQDGEILL
301	PREVPDEYEV	GSFMEEVRQE	LEDLERSLTE	EMALGEPAAA	AAALLGGEET
351	*				

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FIG. 10

1	MMALGAAGAT	RVFVAMVAAA	LGGHPLIGVS	ATLNSVLNSN	AIKNLPPPLG
51	GAAGHPGSAV	SAAPGILYPG	GNKYQTIDNY	QYPYCAEDEE	CGTDEYCASP
101	TRGGDAGVQI	CLACRKRKR	CMRHAMCCPG	NYCKNGICVS	SDQNHFRGEI
151	EETITESFGN	DHSTLDGYSR	RTTLSSKMYH	TKGQEGSVCL	RSSDCASGLC
201	CARHFWSKIC	KPVLKEGQVC	TKHRRKGSYG	LEIFQRCYCG	EGLSCRIQKD
251	HHQASNSSRL	HTCQRH*			

FIG. 11

1	MAALMRVKDS	SRCLLLAAV	LMVESSQLGS	SRAKLNSIKS	SLGGETPAQS
51	ANRSAGMNQG	LAFGGSKKGK	SLGQAYPCSS	DKECEVGRYC	HSPHQGSSAC
101	MLCRRKKKRC	HRDGMCCPGT	RCNNGICIPV	TESILTPHIP	ALDGTRHRDR
151	NHGHYSNHDL	GWQNLGRPHS	KMPHIKGHEG	DPCLRSSDCI	DGFCCARHFW
201	TKICKPVLHQ	GEVCTKQKK	GSHGLEIFQR	CDCAKGLSCK	VWKDATYSSK
251	ARLHVCQKI*				

FIG. 12

1	MAALMRSKDS	SCCLLLLAAY	LMVSSQIGS	SRAKLSIKS	SLGGETPGQA
51	ANRSAGMYQG	LAFGGSKKGK	NLGQAYPCSS	DKECEVGRYC	HSPHQGSSAC
101	MVCRRRKKKRC	HRDGMCCPST	RCNNGICIPV	TESILTPHIP	ALDGTNRDR
151	NHGHYSNHD	GWQNLGRPHT	KMSHIKGHEG	DFCLRSSDCI	EGFCCARHFW
201	TKICKPVLHQ	GEVCTKQKK	GSHGLEIFQR	CDCAKGLSCK	VWKDATYSSK
251	ARLHVCQKI*				

NOVEL SEQUENCE

FIG. 13

1	MAALMRSKDS	SCCLLLLA	AV	LMV	ESSQIGS	SRAKLNSIKS	SLGGETPGQA
51	ANRSAGMYQG	LAFGGSKKGK	NLGQAYPCSS	DKECEVGRYC	HSPHQGSSAC		
101	MVCRRKKKRC	HRDGMCCPST	RCNNGHEGDP	CLRSSDCIEG	FCCARHFWTK		
151	ICKPVLHQGE	VCTKQRKKGS	HGLEIFQRCD	CAKGLSCKVW	KDATYSSKAR		
201	LHVCQKI*						

1 MVAAVLLGLS WLCSPGLALV LDFNNIRSSA DLHGARKGSQ CLSDTDCNTR
51 KFCLOPRDEK PFCATCRGLR RRCQORDAMCC PGTLCVNDVC TTMEDATPIL
101 ERQLDEQDGT HAEGTTGHPV QENQPKRKPS IKKSQGRKGQ EGESCLRTFD
151 CGPGLCCARH FWTKICKPVL LEGQVCSRRG HKDTAQAPEI FORCDCGPGL
201 LCRSQLTNR QHARLRVCQK IEKL*

FIG. 15A

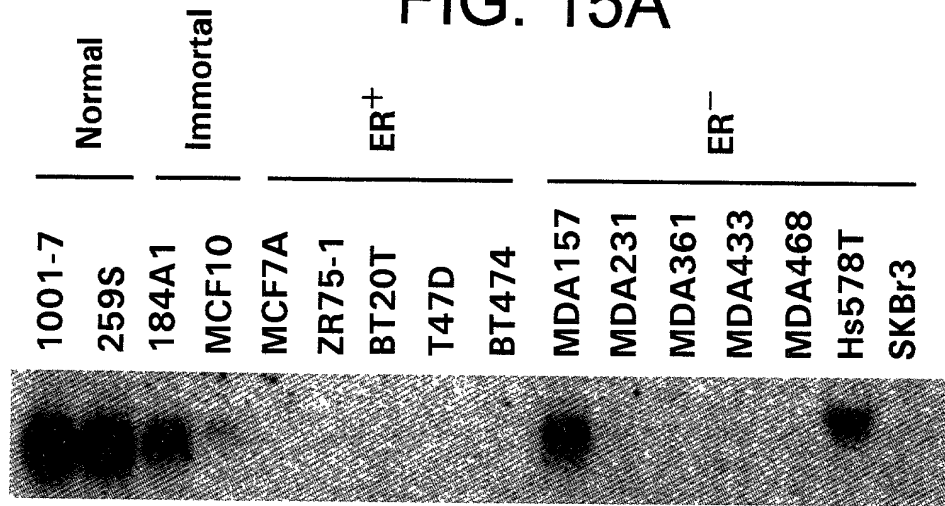


FIG. 15B

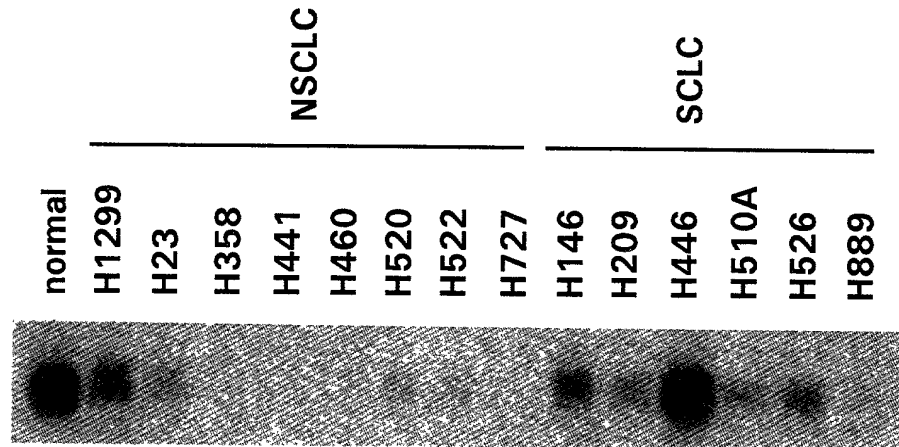


FIG. 15C

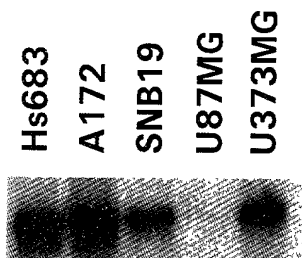


FIG. 15D

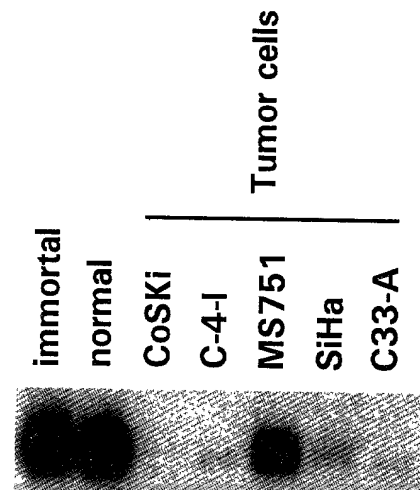


FIG. 16

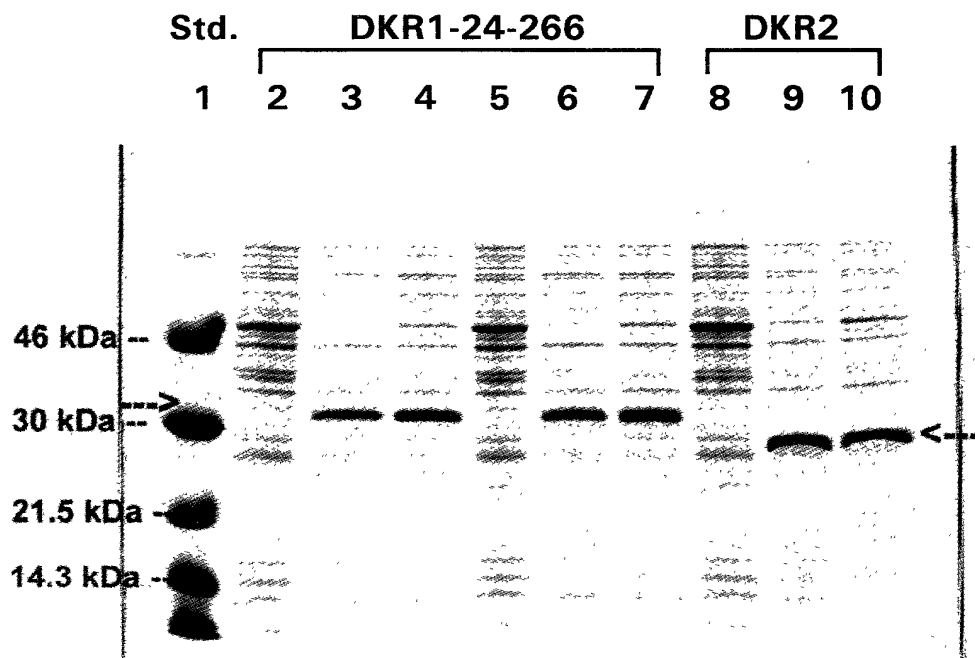


FIG. 17

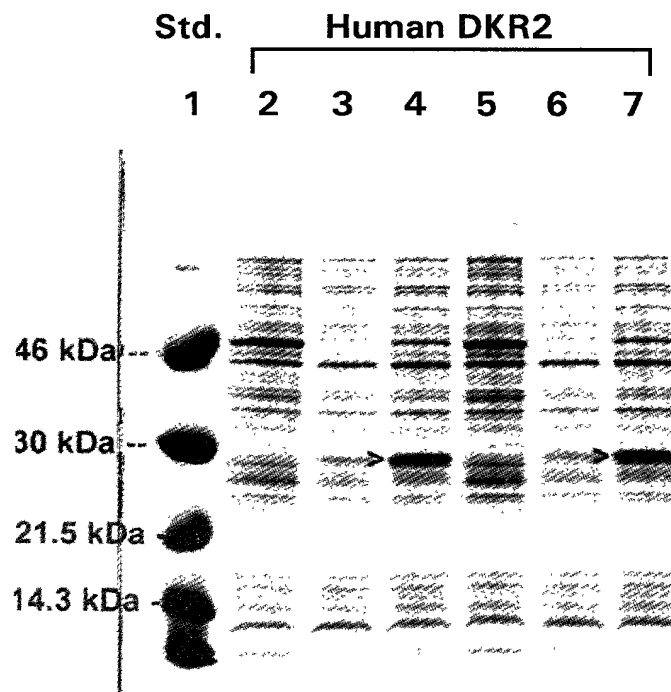


FIG. 18

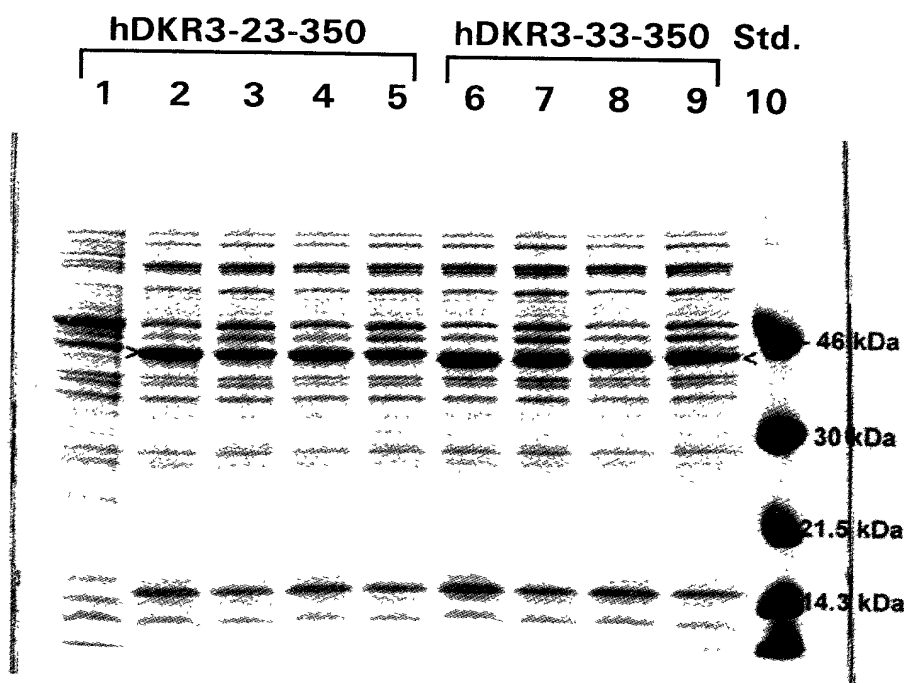


FIG. 19

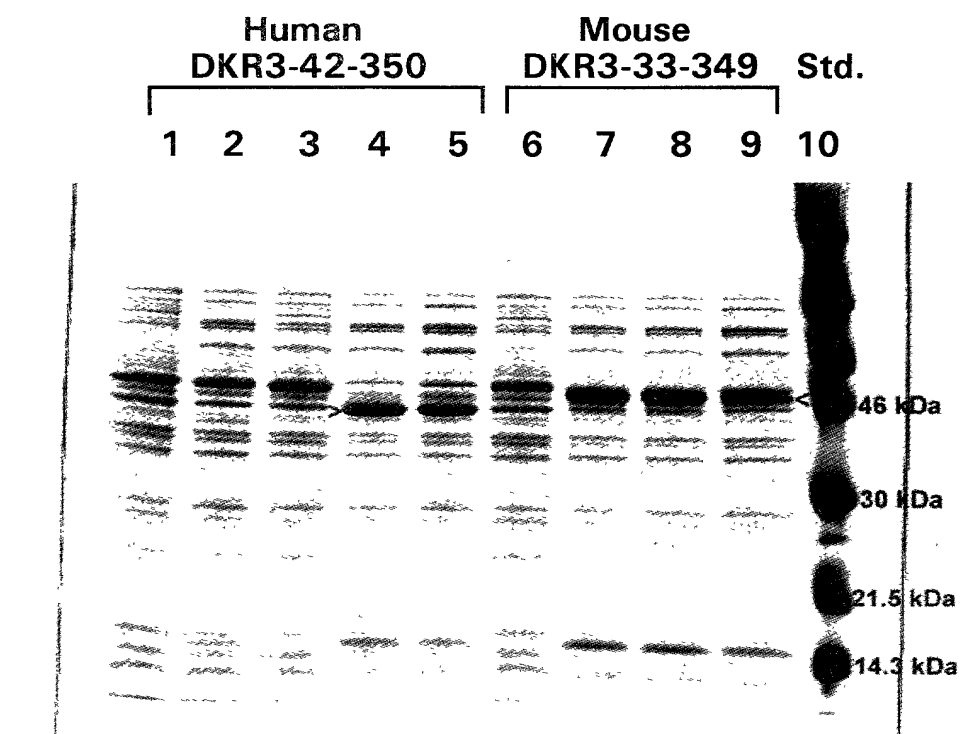


FIG. 20

1 2 3 4 5 6 7 8 9 10

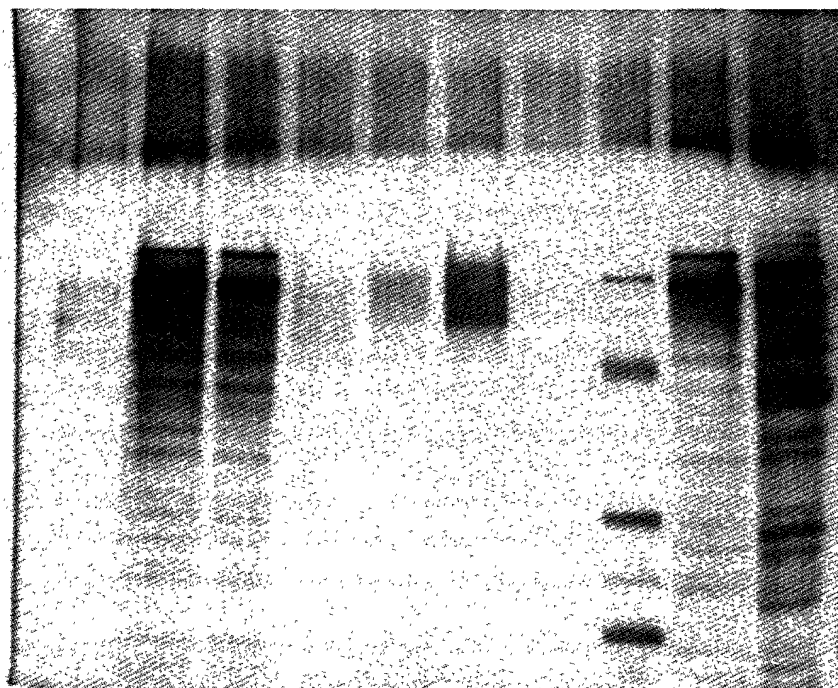
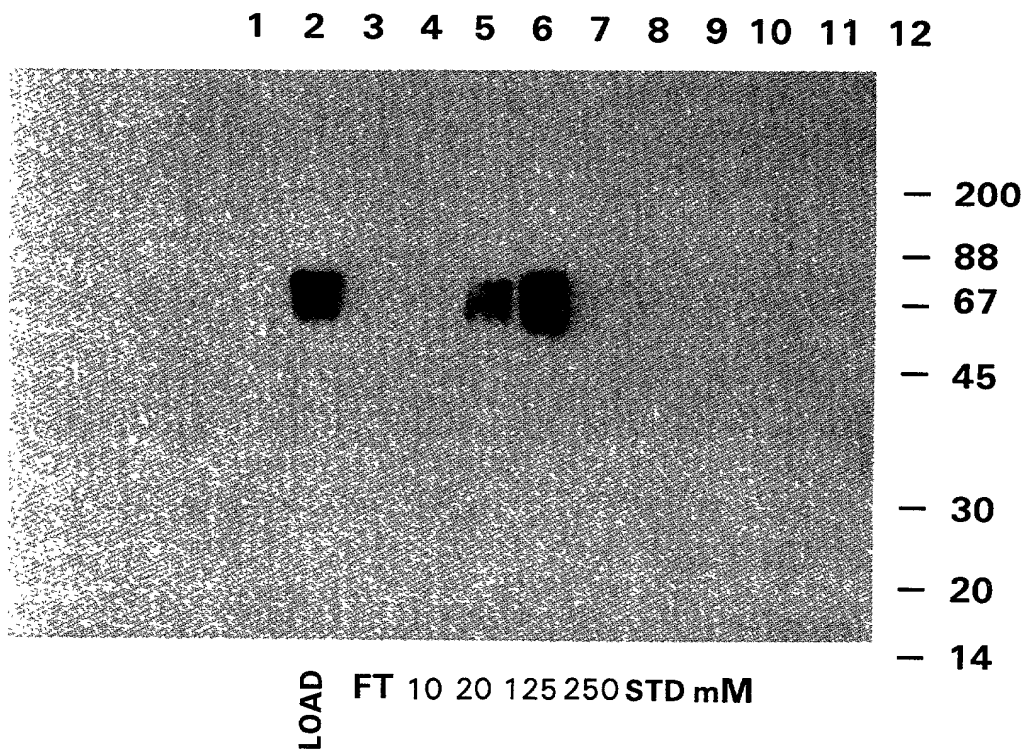


FIG. 21



Imidazole

FIG. 22

1 ATGATGGCTC TGGGTGCTGC TGGTGCTACC CGTGTTTTTCG TTGCTATGGT
51 TGCTGCTGCT CTGGTGCTC ACCCGCTGCT GGTGTTTTTC GCTACCCCTGA
101 ACTCCGTTCT GAACCTCCAAC GCTATCAAAA ACCTGCCGCC GCCGCTGGGT
151 GGTGCTGCTG GTCACCCGGG TTCCGCTGTT TCCGCTGCTC CGGGTATCCT
201 GTACCCGGGT GGTAACAAAT ACCAGACCAT CGACAAC TAC CAGCCGTACC
251 CGTGCGCTGA AGACGAAGAA TGCGGTACCG ACGAATACTG CGCTTCCCCG
301 ACCCGTGGTG GTGACGCTGG TGTTCAAGATC TGCCCTGGCTT GCCGTAAACG
351 TCGTAAACGT TGCATGCGTC ACGCTATGTG CTGCCCCGGT AACTACTGCA
401 AAAACGGTAT CTGCGTTTCC TCCGACCAGA ACCACTTCCG TGGTGAATC
451 GAAGAAACCA TCACCGAATC CTTCCGGTAA GACCACTCCA CCTGGACGG
501 TTAATCCCCG CGTACCACCC TGTCCCTCCAA AATGTACCAC ACCAAAGGTC
551 AGGAAGGTTT CGTTTGCCCTG CGTTCCCTCCG ACTGCGCTTC CGGTCTGTGC
601 TGCCTGCTGC ACTTCTGGTC CAAAATCTGC AAACCGGTTT TGAAAGAAAG
651 TCAGGTTTGC ACCAAACACC GTCGTAAAGG TTCCCCACGGT CTGGAAATCT
701 TCCAGCGTTG CTACTGCGGT GAAGGTCTGT CTGCCCCGAT CCAGAAAGAC
751 CACCACCAGG CTTCCAACTC CTCCCCTCTG CACACCTGCC AGCGTCAC

FIG. 23

1	ATGGCTGCTC	TGATGCGTTC	CAAAGACTCC	TCCTGCTGCC	TGCTGCTGCT
51	GGCTGCTGTT	CTGATGGTTG	AATCCTCCCA	GATCGGTTCC	TCCCGTGCTA
101	AACTGAACCTC	CATCAAATCC	TCCCTGGGTG	GTGAAACCCC	GGGTCAGGCT
151	GCTAACCGTT	CCGCTGGTAT	GTACCAGGGT	CTGGCTTTCG	GTGGTTCCAA
201	AAAAGGTAAA	AACCTGGGTC	AGGCTTACCC	GTGCTCCTCC	GACAAAGAAT
251	GCGAAGTTGG	TCGTTACTGC	CACTCCCCGC	ACCAGGGTTC	CTCCGCTTGC
301	ATGGTTTGCC	GTCGTAAAAA	AAAACGTTGC	CACCGTGACG	GTATGTGCTG
351	CCCGTCCACC	CGTTGCAACA	ACGGTATCTG	CATCCCCGGT	ACCGAATCCA
401	TCCTGACCCC	GCACATCCCG	GCTCTGGACG	GTACCCCGTCA	CCGTGACCGT
451	AACCACGGTC	ACTACTCCAA	CCACGACCTG	GGTTGGCAGA	ACCTGGGTCG
501	TCCGCACACC	AAAATGTCCC	ACATCAAAGG	TCACGAAGGT	GACCCGTGCC
551	TGCGTTCCTC	CGACTGCATC	GAAGGTTTCT	GCTGCGCTCG	TCACTTCTGG
601	ACCAAAATCT	GCAAACCGGT	TCTGCACCAG	GGTGAAGTTT	GCACCAACA
651	GCGTAAAAAA	GGTTCCACAG	GTCTGGAAAT	CTTCCAGCGT	TGCGACTGCG
701	CTAAAGGTCT	GTCCTGCAAA	GTTTGGAAAG	ACGCTACCTA	CTCCTCCAAA
751	GCTCGTCTGC	ACGTTTGCCA	GAAAAATC		

FIG. 24

1 ATGCAGCGTC TGGGTGCTAC CCTGCTGTGC CTGCTGCTGG CTGCTGCTGT
 51 TCCGACCGCT CCGGCTCCGG CTCCGACCGC TACCTCCGCT CCGGTTAAAC
 101 CGGGTCCGGC TCTGTCTTAC CCGCAGGAAG AAGCTACCCCT GAACGAAATG
 151 TTCCGTGAAG TTGAAGAACT GATGGAAGAC ACCCAGCACA AACTGCCGTT
 201 CGCTGTTGAA GAAATGGAAG CTGAAGAAGC TGCTGCTAAA GCTTCCCTCCG
 251 AAGTTAACCT GGCTAACCTG CCGCCGTCTT ACCACAACGA AACCAACACC
 301 GACACCAAAG TTGGTAACAA CACCATCCAC GTTCACCCGTG AAATCCACAA
 351 AATCACCAC AACCAGACCG GTCAGATGGT TTTCTCCGAA ACCGTTATCA
 401 CCTCCGTTGG TGACGAAGAA GGTGTCGTT CCCACGAATG CATCATCGAC
 451 GAAGACTGCG GTCCGTCCAT GTACTGCCAG TTCGCTTCCT TCCAGTACAC
 501 CTGCCAGCCG TGCCGTGGTC AGCGTATGCT GTGCACCCGT GACTCCGAAT
 551 GCTGCGGTGA CCAGCTGTGC GTTTGGGGTC ACTGCACCAA AATGGCTACC
 601 CGTGGTTCCA ACGGTACCAT CTGCGACAAC CAGCGTGAAT GCCAGCCGGG
 651 TCTGTGCTGC GCTTTCCAGC GTGGTCTGCT GTTCCCGGTT TGCACCCCGC
 701 TGCCGGTTGA AGTGAACTG TGCCACGACC CGGCTTCCCG TCTGCTGGAC
 751 CTGATCACCT GGGAACCTGA ACCGGACGGT GCTCTGGACC GTTGCCCGTG
 801 CGCTTCCGGT CTGCTGTGCC AGCCGCACTC CCACTCCCTG GTTTACGTTT
 851 GCAAACCGAC CTTGCTTGGT TCCCGTGACC AGGACGGTGA AATCCTGCTG
 901 CCGCGTGAAG TTCCGGACGA ATACGAAGTT GGTTCCTTCA TGAAGAAGT
 951 TCGTCAGGAA CTGGAAGACC TGGAACGTTT CCTGACCGAA GAAATGGCTC
 1001 TGGGTGAACC GGCTGCTGCT GCTGCTGCTC TGCTGGGTGG TGAAGAAATC

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FIG. 25

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1  ATGGTTGCTG CTGTTCTGCT GGGTCTGTCC TGGCTGTGCT CCCCCTGGG
51  TGCTCTGGTT CTGGACTTCA ACAACATCCG TTCCTCCGCT GACCTGCACG
101 GTGCTCGTAA AGGTTCCAG TGCCTGTCCG ACACCGACTG CAACACCCGT
151 AAATTCTGCC TGCAGCCGCG TGACGAAAAA CCGTTCTGCG CTACCTGCCG
201 TGGTCTGCGT CGTCGTTGCC AGCGTGACGC TATGTGCTGC CCGGTACCC
251 TGTGCGTTAA CGACGTTTGC ACCACCATGG AAGACGCTAC CCCGATCCTG
301 GAACGTCAGC TGGACGAACA GGACGGTACC CACGCTGAAG GTACCACCGG
351 TCACCCGGTT CAGGAAAACC AGCCGAAACG TAAACCGTCC ATCAAAAAT
401 CCCAGGGTCG TAAAGGTCAG GAAGGTGAAT CCTGCCCTGG TACCTTCGAC
451 TGCGGTCCGG GTCTGTGCTG CGTCGTCAC TTCTGGACCA AAATCTGCAA
501 ACCGGTTCTG CTGGAAGGTC AGGTTTGCTC CCGTCGTGGT CACAAAGACA
551 CCGCTCAGGC TCCGGAAATC TTCCAGCGTT GCGACTGCGG TCCGGGTCTG
601 CTGTGCCGTT CCCAGCTGAC CTCCAACCGT CAGCACGCTC GTCTGCCGTG
651 TTGCCAGAAA ATCGAAAAAC TG
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